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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (previously presented): A user interface (UI) support apparatus, comprising:

a UI support module operable to store input/output modules as stored input/output

modules, wherein the stored input/output modules are selected corresponding to conditions of

respective users, in an input/output module storing unit, operable to search the input/output

module storing unit for a specific input/output module of one of the respective users, operable to

execute the specific input/output module, and operable to support a UI meeting a condition of the

one of the respective users,

wherein the UI support module comprises an input/output module selecting unit

including a mapping of each of the respective users with corresponding at least one of the stored

input/output module.

2. (original): The apparatus as claimed in claim 1, wherein the UI support module

comprises:

said input/output module storing unit storing and managing the input/output module;

an input/output module selecting unit for searching for the specific input/output module

meeting the condition of the one of the respective users in the input/output module storing unit to

provide a searched input/output module;

an input/output module executing unit for executing the searched input/output module

searched for by the input/output module selecting unit; and

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an input/output processing unit for processing the UI processed in the searched input/output module executed at the input/output module executing unit to output the UI on a

first screen.

3. (original): The apparatus as claimed in claim 2, wherein the UI support module

further comprises a data processing unit for receiving and processing data necessary for

generation and processing of the UI, said data being generated from an appliance that requests

the specific input/output module.

4. (original): The apparatus as claimed in claim 2, wherein the UI support module

further comprises a data format determining unit for determining whether the searched

input/output module provided by the input/output module selecting unit can process a type of

data of the UI support module, through a table where the input/output modules and data formats

that can be processed in respective input/output modules of the table are mapped.

5. (original): The apparatus as claimed in claim 2, wherein the input/output module

storing unit comprises a mapping table comprising storage areas of input/output module IDs and

the stored input/output modules.

6. (previously presented): The apparatus as claimed in claim 2, wherein the

mapping is a mapping table and the input/output module selecting unit comprises the mapping

table comprising condition IDs and input/output module IDs.

7. (original): The apparatus as claimed in claim 2, wherein the input/output

processing unit transmits the UI to a remote device with a second screen.

8. (previously presented): A user interface (UI) support apparatus, comprising:

an external UI support module provided in a web server or a home server, operable to

receive and store input/output modules corresponding to conditions of respective users, operable

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household appliance,

to search for a specific input/output module for one of the respective users requested through a household appliance and to provide a searched input/output module to the household appliance, and operable to support a UI meeting a condition of the one of the respective users in the

wherein the external UI support module comprises an external input/output module selecting unit including a mapping of each of the respective users with corresponding at least one of the stored input/output modules.

9. (currently amended): The user interface (UI) support apparatus as claimed in claim 8, wherein the external UI support module comprises:

an external input/output module storing unit for storing the input/output modules that provide relevant UIs depending on the conditions of the respective user[[;]], and

an <u>said</u> external input/output module selecting unit <u>for searching searches</u> the external input/output module storing unit for the specific input/output module corresponding to the condition of the one of the respective users requested by the household appliance, and <u>providing</u> <u>provides</u> a searched input/output module to the household appliance.

10. (previously presented): The apparatus as claimed in claim 9, wherein the external UI support module further comprises a data format determining unit for determining whether the searched input/output module provided by the external input/output module selecting unit can process a type of data of the external UI support module, through a table where the input/output modules and data formats that can be processed in respective input/output modules of the table are mapped.

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11. (currently amended): The apparatus as claimed in claim 10, wherein the mapping is a mapping table and the external input/output module storing unit comprises the a mapping table comprising storage areas of input/output module IDs and the stored input/output modules.

- 12. (previously presented): The user interface support apparatus as claimed in claim 10, wherein the mapping is a mapping table and the external input/output module selecting unit comprises the mapping table comprising condition IDs and input/output module IDs.
 - 13. (previously presented): A user interface (UI) support system, comprising:

an internal UI support module provided in a household appliance, for supporting UIs through input/output modules depending on conditions of respective user; and

an external UI support module provided in a web server or a home server connected to the internal UI support module through a wired/wireless communication network, for managing the input/output modules depending on the conditions of the respective users transmitted through the internal UI support module and providing a specific input/output module requested by the internal UI support module,

wherein the external UI support module comprises an external input/output module selecting unit including a mapping of each of the respective users with corresponding at least one of the input/output modules.

14. (original): The system as claimed in claim 13, wherein the internal UI support module comprises:

an input/output module storing unit for storing and managing the input/output modules;

an input/output module selecting unit for searching the input/output module storing unit for the specific internal input/output module meeting a condition of one of the respective users to provide a searched input/output module;

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an input/output module executing unit for executing the searched input/output module

searched for by the input/output module selecting unit;

a data processing unit for receiving and processing data necessary for generation and

processing of the UI, said data being generated from the household appliance that requests the

input/output module; and

an input/output processing unit for processing the UI processed in the searched

input/output module executed at the input/output module executing unit to output the UI on a

first screen.

15. (original): The system as claimed in claim 14, wherein the input/output module

storing unit comprises a mapping table comprising storage areas of input/output module IDs and

the input/output module.

16. (previously presented): The system as claimed in claim 14, wherein the mapping

is a mapping table and the input/output module selecting unit includes the mapping table

comprising condition IDs and input/output module IDs.

17. (original): The system as claimed in claim 14, wherein the input/output

processing unit transmits the UI to a remote device with a second screen.

18. (currently amended): The system as claimed in claim 13, wherein the external UI

support module comprises:

an external input/output module storing unit for storing the input/output modules that

provide relevant UIs depending on the conditions of the respective users[[;]], and

an said external input/output module selecting unit for searching searches the external

input/output module storing unit for the specific input/output module corresponding to the

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condition of the one of the respective users requested by the household appliance and providing provides a searched input/output module to the household appliance.

- 19. (currently amended): The system as claimed in claim 18, wherein the external UI support module further comprises a data format determining unit for determining whether the searched input/output module provided by the external input/output module selecting unit can process a type of data of the external UI support module, through a table where the input/output modules and data formats that can be processed in respective input/output modules of the table are mapped.
- 20. (original): The system as claimed in claim 18, wherein the external input/output module storing unit comprises a mapping table comprising storage areas of input/output module IDs and input/output modules.
- 21. (previously presented): The system as claimed in claim 18, wherein the mapping is a mapping table and the external input/output module selecting unit comprises the mapping table comprising condition IDs and input/output module IDs.
 - 22. (currently amended): A user interface (UI) support method, comprising:

an input/output module registering operation of receiving input/output modules meeting conditions of respective users as received input/output modules and registering the received input/output modules in an internal input/output module selecting unit of an internal UI support module;

an input/output module providing operation of, if a first specific input/output module of one of the respective users is requested through the internal UI support module, searching for and providing the first specific input/output module as a provided input/output module; and

a UI support operation for executing the provided input/output module and supporting a UI meeting the condition of the one of the respective users through the provided input/output module,

wherein the <u>internal</u> input/output module selecting unit includes a mapping of each of the respective users with corresponding at least one of the <u>stored registered</u> input/output modules.

23. (original): The method as claimed in claim 22, wherein the input/output module registering operation comprises:

selecting a second specific input/output module for generating a UI to be used in the future by the one of the respective users, as a selected input/output module;

determining whether the selected input/output module is present in an internal input/output module storing unit of the internal UI support module;

if the selected input/output module is present, writing a condition ID of the one of the respective users and information on the selected input/output module in the internal input/output module selecting unit; and

if the selected input/output module is not present, requesting the selected input/output module through an external UI support module, determining whether the selected input/output module is present in an external input/output module storing unit of the external UI support module, and if the selected input/output module is present, writing the condition ID of the one of the respective users and the information on the selected input/output module in the internal input/output module selecting unit.

24. (currently amended): The method as claimed in claim 23, wherein the operation of writing <u>further comprises</u> writing the condition ID of the one of the respective users and the

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information on the selected input/output module in an external input/output module selecting unit.

25. (previously presented): The method as claimed in claim 23, wherein if the selected input/output module is not present in the external input/output module storing unit, providing the UI through a default input/output module.

26. (original): The method as claimed in claim 22, wherein the input/output module providing operation comprises:

receiving a condition ID from the one of the respective users and determining whether the condition ID has been registered through the internal input/output module selecting unit;

if the condition ID has been registered, selecting the first specific input/output module according to the condition ID and providing the UI meeting the condition of the one of the respective users; and

if the condition ID has not been registered, requesting an external UI support module to transmit the first specific input/output module according to the condition ID and providing the UI meeting the condition of the one of the respective users through the input/output module provided by the external UI support module.

27. (original): The method as claimed in claim 26, wherein the operation of providing the UI meeting the condition of the one of the respective users through the input/output module provided by the external UI support module comprises:

determining whether the first specific input/output module corresponding to the condition ID is present by an external input/output module selecting unit of the external UI support module;

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if it is determined that the first specific input/output module corresponding to the condition ID is not present, providing the UI through a default input/output module; and

if it is determined that the first specific input/output module corresponding to the condition ID is present, determining, by a data format determining unit, whether the first specific input/output module is compatible with an appliance requesting the first specific input/output module, and providing the UI through the default input/output module if it is determined that the first specific input/output module is not compatible with the appliance, or providing the UI through the first specific input/output module if it is determined that the input/output module is compatible with the appliance.

28. (previously presented): A user interface support method, comprising:

if an input/output module corresponding to a specific condition ID is requested by a UI support module provided in a household electric appliance, searching for the input/output module corresponding to the condition ID through an external input/output module storing unit; and

if the input/output module corresponding to the condition ID is found as a searched input/output module, providing, by an external input/output module selecting unit, the searched input/output module to the UI support module of the household appliance,

wherein the searching for the input/output module corresponding to the condition ID comprises searching a mapping of each of a plurality of users with corresponding at least one of the stored input/output modules.

29. (original): The method as claimed in claim 28, wherein the operation of providing the searched input/output module comprises determining, by a data format determining unit, whether the searched input/output module is compatible with the household appliance, and

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providing a default input/output module if the searched input/output module is not compatible with the household appliance, or providing the searched input/output module if the searched input/output module is compatible with the household appliance.

30. (previously presented): A user interface (UI) support method, comprising:

receiving input/output modules meeting conditions of respective users as received input/output modules and registering the received input/output modules in an input/output module selecting unit of an internal UI support module;

if a specific input/output module of one of the respective users is requested through the internal UI support module, determining whether the input/output module is present in an input/output module storing unit; and

if the specific input/output module is present in the input/output module storing unit, providing a UI meeting the condition of the one of the respective users through the specific input/output module, or if the specific input/output module is not present in the input/output module storing unit, requesting an external input/output module storing unit provided in an external server at a remote place to transmit the specific input/output module as a transmitted input/output module and providing the UI meeting the condition of the one of the respective users through the transmitted input/output module,

wherein the determining whether the input/output module is present in the input/output module storing unit comprises searching a mapping of each of the respective users with corresponding at least one of received input/output modules.

31. (currently amended): The method as claimed in claim 30, wherein the input/output module registering operation comprises:

selecting the specific input/output module for generating the UI to be used in the future by the one of the respective users, as a selected input/output module;

determining whether the selected input/output module is present in the input/output module storing unit of the internal UI support module;

if the selected input/output module is present, writing a condition ID of the one of the respective users and information on the selected input/output module in the input/output module selecting unit; and

if the selected input/output module is not present, requesting the selected input/output module through an external UI support module, determining whether the selected input/output module is present in an-the external input/output module storing unit of the external UI support module, and if the selected input/output module is present, writing the condition ID of the one of the respective users and the information on the selected input/output module in the internal input/output module selecting unit.

- 32. (currently amended): The method as claimed in claim 31, wherein the operation of writing <u>further comprises</u> writing the condition ID of the one of the respective users and the information on the selected input/output module in an external input/output module selecting unit.
- 33. (original): The method as claimed in claim 30, wherein the operation of providing the UI comprises determining, by a data format determining unit, whether specific input/output module is compatible with the internal UI support module, and providing the UI through a default input/output module if the specific input/output module is not compatible with the internal UI support module, or providing the UI through the specific input/output module if the specific input/output module if

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34. (currently amended): The method as claimed in claim 31, wherein if the selected input/output module is not present in the <u>external</u> input/output module storing unit of the external UI support module, providing the UI through a default input/output module.

- 35. (previously presented): The apparatus as claimed in claim 1, wherein the input/output selecting unit searches the mapping for the specific input/output module corresponding to one of the users, to provide a searched input/output module.
- 36. (previously presented): The apparatus as claimed in claim 1, wherein the mapping is prestored in the input/output module selecting unit and the input/output selecting unit searches the prestored mapping for the specific input/output module corresponding to the one of the users, to provide a searched input/output module.
- 37. (previously presented): The apparatus as claimed in claim 1, wherein the one of the users is an authenticated user in an authentication and the mapping is prestored prior to the authentication.